

Enardo 951

High Performance Pressure Relief Valve - Top Mount

Introduction

Enardo™ 951 (top mount) pressure relief valves are advanced design for vent-to-atmosphere applications. Utilizing the latest technologies, this relief valve provides protection against positive overpressure, prevents air intake, evaporative loss of product and helps contain odorous and potentially hazardous vapors.

Part of high performance line of pressure vacuum relief valves, the Enardo 951 was designed with features to exceed the performance of standard valves on the market. Unmatched features include Enardo Saber® Guide valve system and advanced composite Polyphenylene Sulfide (PPS) seat and trim for superior performance.

Standard features include:

- The only dual guided (top and bottom) pallet for smoother valve stroke, less flutter and valve wear
- Polyphenylene Sulfide (PPS), advanced composite thermoplastic material for seat and pallet providing superior resistance to corrosion, chemical attack, liquid and vapor adhesion, temperature extremes (-50 to 500°F) and sticking due to valve seat freeze
- Fully field replaceable pallet and seat assemblies without need for special tools or complex procedures which eliminates the need to send out for rebuilding or total valve replacement (Can be maintained by in house maintenance personnel)

*Also available in spring-loaded design (Enardo 961).



Figure 1. Enardo 951

Inlet Connection Sizes

2 through 12 in. / 50 through 300 mm

Valve Setting Range

0.5 to 32.0 oz./sq. in. (0.5 oz increments)
1.0 to 55.0 in. w.c. (0.5 in. increments)
2.2 to 138.0 mbar (2.2 mbar increments)
25 to 1406 mm w.c.
(13 mm w.c. increments)

Construction Materials

Housing: Aluminum, Ductile iron, Stainless steel or Carbon steel

Seat/Pallet: Polyphenylene Sulfide (PPS) or 316 Stainless steel

Pallet Seal: FEP, Nitrile (NBR) or Fluorocarbon (FKM)

Hardware: Zinc-plated carbon steel or Stainless steel

Weights: Zinc-plated carbon steel, Stainless steel or Lead

Body Gasketing: Nitrile (NBR), FEP and Fluorocarbon (FKM)

Additional Technical Data

For more technical information, contact your local Sales Office or log on to:

www.enardo.com

Features

- **Advanced composite thermoplastic Polyphenylene Sulfide (PPS) materials for seat and trim provide superior resistance to corrosion, chemical attack, liquid and vapor adhesion, temperature extremes (-50 to 500°F) and sticking due to valve seat freeze**
- **Enardo Saber® Guide valve system provides for smooth valve stroke during operation and reduces valve wear**
- **Exceeds the most stringent standards for allowable leakage (1 SCFH at 90% set point per valve) and provides excellent set point accuracy (+/-3%)**
- **Fully field replaceable pallet and seat assemblies**
- **Available in ANSI, DIN and JIS flanges**
- **EN 13463-1 and EN 13463-5 Certified**

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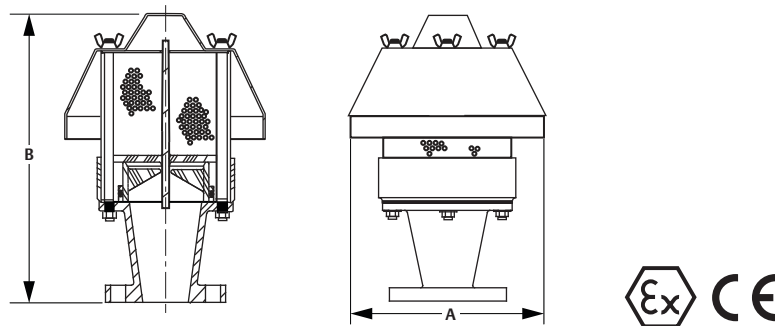


Figure 2. Enardo™ 951 Dimensions

Table 1. Enardo 951 Dimensions and Weights⁽¹⁾

INLET CONNECTION		A (OVERALL WIDTH)		B (OVERALL HEIGHT)		WEIGHT (ALUMINUM)		WEIGHT (DUCTILE IRON)		WEIGHT (STAINLESS STEEL)	
In.	mm	In.	mm	In.	mm	Lbs	kg	Lbs	kg	Lbs	kg
2	50	10	254	14-3/8	365	10	5	21	10	21	10
3	80	10	254	14-5/8	371	12	5	26	12	26	12
4	100	14	356	19-3/4	502	17	8	40	18	39	18
6	150	14	356	19-3/4	502	21	10	51	23	50	23
8	200	23	584	27-1/8	689	53	24	134	61	138	63
10	250	23	584	27-1/4	692	56	25	143	65	152	69
12	300	23	584	27-11/16	703	60	27	153	69	163	74

1. Unit weights indicate Net Weight of valve in pounds at standard set pressure (0.5 oz./sq. in. pressure - 0.5 oz./sq. in. vacuum), does not include shipping crate or box. Add 20% for gross shipping weight (Domestic Only).

Key to Enardo 951 Model Number

Model 951	-	Inlet Size 2 to 12 in.	-	Housing Material 1 = Aluminum 4 = 316SST 5 = Carbon Steel	-	Pallet and Seat Material 1 = PPS Polyphenylene Sulfide 2 = 316SST	-	Pallet Seal Material 1 = FEP 2 = Nitrile (NBR) 3 = Fluorocarbon (FKM)
Body/Seat/Lid Seal Material 1 = PTFE Body and FEP Seat/Lid 2 = Nitrile (NBR) 3 = Viton	-	Pressure Units z = oz./sq.in. n = in. w.c. mm = mm w.c. mb = mbar	-	Pressure Setting 0.5 to 32.0 oz./sq.in. 0.86 to 55.0 in. w.c. 22 to 1406 mm w.c. 2.2 to 138 mbar	-	Weight Material C = CS ZP S = SST L = Lead	-	Options 0 = No Options F = Flat Face Flange (standard for Aluminum) R = Raised Face Flange (standard for CS, DL, SS) X = Epoxy Coating

Example:

951 — 2 — 1 1 1 2 — n 12 — C — 0

Indicates a vent-to-atmosphere vacuum relief valve with 2 in. inlet, ANSI 150 lb. flat face flange pattern connections, Aluminum housing, PPS Polyphenylene Sulfide pallet and seat, FEP pallet seal and Nitrile (NBR) lid seal. Pressure setting is 12 in. w.c. Carbon steel weight material. No options.